FORM PTO-1449 U.S. Department of Commerce Patent & Trademark Office			Attorney Docket No. 381NP/50756 Serial No. 10 713,270 To Be Assigned					
				Applicant: HIRAYAMA	\ et al.			
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			Filing Date December 14, 2001	Group	7			
	****		U.S.	PATENT DOCUMENTS				
Examiner Initial		Document Number	Date	Name	Class	Sub- Class	Filing Date (if appropriate)	
85	AA	5,190,012	3/1993	Takahashi	123	479	1/15/1992	
	AB							
	AC							
	AD							
	AE						,	
	AF							
	AG							
	AH					1		
	AI							
	AJ							
			FOREI	GN PATENT DOCUMENTS	<u></u>			
Examiner				-	Sub-	TRANSLATION		
Initial		Number	Date	Name	Class	Class	Yes No	
ح>	AK	1247723	10/1989	Japan			Abstract	
-	AL	11044265	2/1999	Japan		_	Abstract	
 	AM	2275041	11/1990	Japan			Abstract	
1	AN AO	4265448 4262031	9/1992	Japan Japan			Abstract Equivalent of U.S. Patent 5,190,012	
45	AD	62979022	11/1988	Japan	—		Abstract	
	AP	OTHER DOCU		cluding Author, Title, Date, P	ertinent Page	es, etc.)		
	AQ	JIIIII DOCE	ATELETY I ES (IIII	11010, 17000, 1		<u> </u>		
	AR							
	AS							
EXAMIN		P ~ 1	J	DATE CONSIDER	ED S	[.] [.]		
EXAMINER:	: Initia	l if citation considered. w	whether or not citat	tion is in conformance with MPEP 609; Dr		itation if no	t in conformance and	
	not co	nsidered. Include copy o	of this form with ne	ext communication.				

FORM PTO-1449 U.S. Department of Commerce Patent & Trademark Office				Attorney Docket No. Serial No. 10 713, 270 381NP/50756 Applicant: HIRAYAMA et al.					
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				Filing Date December 14, 2001		Group	Group 3747		
,				PATENT	DOCUMENTS				
Examiner Initial		Document Number	Date	IMILINI	Name	Class	Sub- Class	Filing (if appro	
	AA								
	AB								
	AC								
	AD			_					
	AE								
	AF								
	AG								
	AH								
	AI								
	AJ							L	
	,		FOREI	GN PATE	NT DOCUMENT	<u>s</u>	1	T	
Examiner		Document	5		Name	Class	Sub- Class	TRANSI Yes	ATION No
Initial	ATZ	Number 6146080	5/1994	Japan	Name	Class	Vinas	Abstract	
- 	AK AL	6146989 5059994	3/1993	Japan			1	Abstract	
	AM	7279724	10/1995	Japan				Abstract	
	AN	8285651	11/1996	Japan				Abstract	
	AO	1290948	11/1989	Japan				Abstract	
55	AP	5346336	12/1993	Japan				Abstract	
1 / 3	111				uthor, Title, Date,	Pertinent Page	s, etc.)		
	AQ	31112112300							
	AR								
	AS								
EXAMIN		8 - 1			DATE CONSIDE	RED SIG	04		
EXAMINER	: Initia	l if citation considered, w	hether or not cite	tion is in conf	ormance with MPEP 609;			t in conforma	nce and
	not co	onsidered. Include copy o	f this form with 1	ext communic	ation.				

					0 : 137	1.0	717 2-	10
FORM PTO-1		J.S. Department of Com Patent & Trademark Off		Attorney Docket No. Serial No. 10 713 270 381NP/50756 Serial No. 10 713 270 To Be Assigned				
	-			Applicant: HIRAYAMA	\ et al.			
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				Filing Date	Group	Group 3747		
				December 14, 2001				
10000000				PATENT DOCUMENTS		· · · · · · · · · · · · · · · · · · ·		
Examiner		Document				Sub-	Filing	
Initial		Number	Date	Name	Class	Class	(if appr	opriace)
	AA		-					
	AB							
	AC				1			
	AD				1			
	AE	<u> </u>			1	 		
	AF		+		 			
	AU							
	AH					 		
	AI AJ							
	L Aθ	<u> </u>	FORET	GN PATENT DOCUMENTS		-1 ·		
	Γ		FOREI	The state of the s		Sub-	TRANS	LATION
Examiner Initial		Document Number	Date	Name	Class	Class	Yes	No
95 85 64	AK	1224429	9/1989	Japan		<u></u>	Abstract	
85	AL_	5086934	4/1993	Japan		<u> </u>	Abstrac	<u>t</u>
46	AM	4350338	12/1992	Japan			Abstrac	t
	AN						ļ	
	AO					<u> </u>	ļ	
	AP				<u></u>		<u>L</u>	
		OTHER DOCU	JMENTS (Inc	cluding Author, Title, Date, P	ertinent Page	s, etc.)	T	
	AQ			<u> </u>				
	AR	1				-	ļ	
	AS		<u></u>				<u> </u>	
EXAMIN		Eila R.	Str	DATE CONSIDER)4		
EXAMINER:	: Initial	l if citation considered, onsidered. Include copy	whether or not citat of this form with n	tion is in conformance with MPEP 609; Drext communication.	raw line through cit	ation if not	t in conforma	nce and